

IN THE CLAIMS:

Please **cancel** claims 14-24 and 35 without prejudice.

1. (Original) A monolithic, side pumped, passively Q-switched, solid-state laser comprising a laser resonator composite structure comprised of a laser gain medium optically contacting a passive Q-switch, wherein the composite structure comprises end faces forming a linear optical path resonant cavity therebetween, the end faces comprising at least partially reflecting coatings deposited thereon, the gain medium comprising a side face for receiving pump light.
2. (Original) The solid-state laser as in claim 1, where the pump light is generated by a laser diode array.
3. (Original) The solid-state laser as in claim 1, where the pump light is generated by a flashlamp.
4. (Original) The solid-state laser as in claim 1, where the at least partially reflecting coatings are deposited on resonator mirrors external to the resonant cavity.
5. (Original) The solid-state laser as in claim 1, further comprising a non-linear optical material optically coupled to the composite structure.
6. (Original) The solid-state laser as in claim 5, where an intra-cavity portion of the resonant cavity comprises the non-linear optical material.
7. (Original) The solid-state laser as in claim 5, where an external portion of the resonant cavity comprises the non-linear optical material.
8. (Original) The solid-state laser as in claim 5, where the non-linear optical material

comprises one of: a frequency doubling crystal, a Raman crystal and an optical parametric oscillator.

9. (Original) The solid-state laser as in claim 1, where the laser gain medium comprises one of Nd:YAG, Nd:YVO₄, Er:YAG, Er:Glass, Ho:YAG and Tm:YAG.

10. (Original) The solid-state laser as in claim 1, where the passive Q-switch comprises Cr:YAG.

11. (Original) The solid-state laser as in claim 1, comprising means for thermally induced aberration compensation.

12. (Original) The solid-state laser as in claim 11, where the means for compensation comprises a tilt in at least one of the end faces.

13. (Original) The solid-state laser as in claim 11, where the means for compensation comprises a Porro prism.

14-24 (Canceled)

25. (Previously presented) A solid-state laser comprising a laser resonator composite structure comprised of a laser gain medium, wherein the composite structure comprises at least two surfaces forming a linear optical path resonant cavity therebetween, and at least one surface of the at least two surfaces is adapted for thermal aberration compensation.

26. (Original) The solid-state laser of claim 25, where the composite structure comprises a passive Q-switch.

27. (Original) The solid-state laser of claim 25, where the at least one surface comprises a tilt.

28. (Original) The solid-state laser of claim 27, where the tilt comprises an angle of about 180 μ Rad.
29. (Original) The solid-state laser of claim 25, where the at least one surface comprises a Porro prism.
30. (Original) The solid-state laser of claim 25, where the laser comprises a monolithic laser.
31. (Original) The solid-state laser of claim 25, where the composite structure is adapted for receiving pump light from at least one of a side and an end.
32. (Original) The solid-state laser of claim 25, where the gain medium comprises a saturable absorber material.
33. (Original) The solid-state laser of claim 25, further comprising a non-linear optical material optically coupled to the composite structure.
34. (Previously presented) The solid state laser as in claim 1, wherein said end faces forming said linear optical path resonant cavity therebetween are each disposed at least substantially parallel at an orthogonal angle about zero degrees relative to a longitudinal axis defined by said linear optical path resonant cavity.
35. (Canceled)
36. (Previously presented) The solid state laser of claim 25, wherein said at least two surfaces forming said linear optical path resonant cavity therebetween are each disposed at least substantially parallel at an orthogonal angle about zero degrees relative to a longitudinal axis defined by said linear optical path resonant cavity.